

## Message Text

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12

ACTION OES-05

INFO OCT-01 EA-09 ISO-00 FEA-01 ACDA-10 CIAE-00 INR-07

IO-10 L-03 NSAE-00 NSC-05 EB-07 NRC-07 DODE-00 /065 W

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P 020520Z SEP 75

FM AMEMBASSY TOKYO

TO USERDA GERMANTOWN PRIORITY

INFO SECSTATE WASHDC 2915

UNCLAS TOKYO 12146

ERDA FOR G. HELFRICH

E.I. 11652: N/A

TAGS: TECH, JA

SUBJECT: CENTRIFUGE DEVELOPMENT

1. THE URANIUM CENTRIFUGE JOINT DEVELOPMENT COUNCIL, COMPRISED OF HITACHI, TOSHIBA AND MHI HAVE DELIVERED A NUMBER OF NEWLY DEVELOPED CENTRIFUGES WHICH WILL CONSTITUTE A FUTURE CASCADE IN THE PNC CENTRIFUGE URANIUM ENRICHMENT PLANT. CONSTRUCTION OF A PILOT PLANT OF 40 TO 50 TONS SWU CAPACITY IS EXPECTED TO BEGIN IN 1977.

2. THESE CENTRIFUGES ARE APPARENTLY ADVANCED IN DESIGN OVER THE C-1 AND C-2 MODELS IN THAT THEY ARE MADE FROM HIGHER TENSILE STRENGTH MATERIALS, SO THEY ARE LIGHTER AND THEY HAVE A HIGHER SPEED OF ROTATION.

3. EACH OF THE THREE PARTICIPANTS HAS APPARENTLY INDEPENDENTLY CONDUCTED THEIR OWN DEVELOPMENT PROGRAM SINCE THREE SOMEWHAT DIFFERENT DESIGNS HAVE EVOLVED.

4. THESE CENTRIFUGES ARE IN THE PROCESS OF  
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BEING INSTALLED IN THE PNC CENTRIFUGE DEVELOPMENT SYSTEM.

5. STARTUP OF THE C-2 CASCADE, THE 250 PREVIOUSLY  
PLANNED CENTRIFUGES OF LOWER CAPACITY, SCHEDULED FOR  
SEPTEMBER.  
HODGSON

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** URANIUM, CONSTRUCTION, NUCLEAR POWER PLANTS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 02 SEP 1975  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 JAN 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
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**Film Number:** D750302-0183  
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**Original Previous Classification:** n/a  
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**Secure:** OPEN  
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**Subject:** CENTRIFUGE DEVELOPMENT  
**TAGS:** TECH, JA  
**To:** n/a  
**Type:** TE  
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